

MODIS Science Data Support Team (SDST) Meeting Minutes 02/05/93

ATTENDEES: Tom Bryant, Lloyd Carpenter, Jy-Tai Chang, Ruiming Chen, Tom Goff, Liam Gumley, Paul Hubanks, Ed Masuoka, J.J. Pan, Shahin Samadi, Greg Schmidt, Jim Storey, Lalit Wanchoo

NEXT MEETING:	DATE	TIME	BUILDING	ROOM
	Friday, February 12	10:00am	22	G95

TOPICS:

1. MODIS AIRBORNE SIMULATOR (MAS): Liam Gumley is continuing development of the MODIS Airborne Simulator Level-1B Data User's Guide. A list of the topics was included in the handout.

Paul Hubanks reported that he has begun processing MAS ASTEX data on the Silicon Graphics Indigo workstation in the Code 920 computer facility, ltpindigo. The final calibration coefficients for ASTEX have not yet been determined. Paul is considering a software modification to handle crossing 180 degrees longitude, as well as automation of the selection of straight-line flight track start and end times.

MAS data users will be contacted regarding desired enhancements of the metadata.

2. DATA PRODUCTS LIST AND ALGORITHM DEPENDENCY DIAGRAM: J.J. Pan and Ruiming Chen are working on a survey table to be used in estimating storage and computer usage required for the various MODIS Level-2 data products.

QA/FORTRAN, QA/C, FORTRAN-lint, and C-lint are being considered as tools for use in working with prototype code received from investigators.

J.J. is preparing Version 6.0 of the dependency diagram, which will show product names in place of product numbers.

3. MICROSOFT PROJECT: Lloyd Carpenter presented preliminary Gantt charts, generated from Microsoft Project, covering the MODIS SDST tasks.

4. MCST LEVEL-1 CALIBRATION ALGORITHM: Tom Bryant presented the MCST Plan for the Level-1 Calibration Algorithm, including control flow diagrams, data flow diagrams, and data dictionary.

ACTION ITEMS:

06/12/92 [LLOYD CARPENTER]. Due Date: 02/12/93. Implement Microsoft Project for managing and scheduling MODIS SDST activities, including Level-1A and -1B schedules, Level-2 shell schedule, sizing of computer

resource requirements, and overview. (A preliminary version of the schedule from Microsoft Project was included in the handout.) STATUS: Open.

12/22/92 [LLOYD CARPENTER]. Due Date: 03/01/93. Survey the MODIS science team members to determine computer storage and processing requirements for Level-2 processing. STATUS Open.

01/22/93 [AL FLEIG]: Due Date: 2/15/93. Write a memo to the project to change the MODIS duty cycle to 50% daytime, 50% nighttime. STATUS: Closed.

1/22/93 [CARL SOLOMON]. Due Date: 2/12/93. Develop configuration management concepts suitable for application for MODIS Level-1 (etc.) software development; prepare alternatives and "cost/benefit" analyses. STATUS: Open.

1/22/93 [JIM STOREY]. Due Date: 2/22/93. Meet with EDOS, AM platform, and other groups; develop "cost/benefit" analyses; and provide recommendations for treatment of platform ancillary data (e.g., position, attitude). For example, do we incorporate position/attitude data into the Level-1A product or assign a pointer to it? Do we recommend that platform ancillary data be included in the MODIS instrument Level-0 data stream? STATUS Open.

1/22/93 [LLOYD CARPENTER/TOM GOFF]. Develop SDST-final draft of Level-1 requirements/assumptions. Due Date: (Initial draft due 2/15/93; iterate until 2/26/93; mail draft to MODIS, EOSDIS, and other parties for review by 3/1/93). STATUS: Open.

1/22/93 [PAUL HUBANKS/CARROLL HOOD]. Due Date: 2/19/93. Develop concepts for improving completeness of MAS metadata (anticipate the questions scientists might ask prior to ordering the data; e.g., identify clouds, snow/ice, etc.). STATUS: Open.